

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph 52 with the following amended paragraph:

[0052] FIG. 1B is a view of the entrance and exit apertures 32, 44 [[34]] along the arrow 1B-1B in FIG. 1A. Also shown in FIG. 1A is an xyz axis, so that the view along the arrow 1B-1B is along the negative x axis. A sample and/or optical fiber (not shown) may be placed between the source and the entrance aperture or between the exit aperture 44 and the detector 26 for analysis.

Please replace paragraph 84 with the following amended paragraph:

[0084] Preferably, the imposed change on $a_{n,q}^{(0)}$ is facilitated by a movable mask having an aperture or obscuration 55, which is comparable in size to the radial width of the radiation filters, where the mask is translated along the radial axis of modulator 22 such that the incident radiation is selectively transmitted or blocked from the radiation filters in sequence. For example, a disc with a spiral aperture or obscuration 55, which is mounted in a plane parallel to modulator 22, directly above or below modulator 22, and is stepped about rotation axis 40. More preferably, the imposed change on $a_{n,q}^{(0)}$ is facilitated by a dedicated radiation source and a dedicated detector which are independently or collectively translated along the radial axis of modulator 22 such that the incident radiation is selectively modulated by the radiation filters in sequence. Most preferably, the beam size of the dedicated radiation source along the radial axis is substantially smaller than the radial width of the narrowest radiation filter on modulator 22. In this manner, the modulated components can be isolated from one another to more accurately determine their respective harmonic contents.